2008 Mercedes Benz Truck ML 320 CDI (164.122) V6-3.0L DSL Turbo (642.940)

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CDI4 Diesel Engine Control System [1 of 5]

DTC	Brief Description
105	[1] Check component B5/1 (Charge pressure sensor).: The signal voltage is too high.□
105	[2] Check component B5/1 (Charge pressure sensor).: The signal voltage is too low.□
105	[4] Check component B5/1 (Charge pressure sensor).: CAN signal faulty□
105	[8] Check component B5/1 (Charge pressure sensor).: The atmospheric pressure between component B5/1 (Charge pressure sensor) and component N3/9 (CDI control unit) is implausible.□
110	[1] Check component B17/8 (Charge air temperature sensor).: The signal voltage is too high.□
110	[2] Check component B17/8 (Charge air temperature sensor).: The signal voltage is too low.□
110	[4] Check component B17/8 (Charge air temperature sensor).: CAN signal faulty□
115	[1] Check component B11/4 (Coolant temperature sensor).: The signal voltage is too high.□
115	[2] Check component B11/4 (Coolant temperature sensor).: The signal voltage is too low.□
115	[4] Check component B11/4 (Coolant temperature sensor).: CAN signal faulty□
115	[8] Check component B11/4 (Coolant temperature sensor).: The temperature difference between component B11/4 (Coolant temperature sensor) and component B1 (Oil temperature sensor) is implausible.□
180	[1] Check component B50 (Fuel temperature sensor).: The signal voltage is too high.□
180	[2] Check component B50 (Fuel temperature sensor).: The signal voltage is too low.□
190	[1] Check component B4/6 (Rail pressure sensor).: The signal voltage is too high.□
190	[2] Check component B4/6 (Rail pressure sensor).: The signal voltage is too low.□
201	[1] Check component Y76y1 (Fuel injector cylinder 1).: Short circuit to positive□
201	[2] Check component Y76y1 (Fuel injector cylinder 1).: Short circuit to ground□
201	[4] Check component Y76y1 (Fuel injector cylinder 1).: Short circuit to each other□
201	[8] Check component Y76y1 (Fuel injector cylinder 1).: General error□
202	[1] Check component Y76y2 (Fuel injector cylinder 2).: Short circuit to positive□
202	[2] Check component Y76y2 (Fuel injector cylinder 2).: Short circuit to ground□
202	[4] Check component Y76y2 (Fuel injector cylinder 2).: Short circuit to each other□

202 [8] Check component Y76y2 (Fuel injector cylinder 2).: General error

203 [1] Check component Y76y3 (Fuel injector cylinder 3).: Short circuit to positive

203 [2] Check component Y76y3 (Fuel injector cylinder 3).: Short circuit to ground

203 [4] Check component Y76y3 (Fuel injector cylinder 3).: Short circuit to each other

203 [8] Check component Y76y3 (Fuel injector cylinder 3).: General error

204 [1] Check component Y76y4 (Fuel injector cylinder 4).: Short circuit to positive

204 [2] Check component Y76y4 (Fuel injector cylinder 4).: Short circuit to ground

204 [4] Check component Y76y4 (Fuel injector cylinder 4).: Short circuit to each other

204 [8] Check component Y76y4 (Fuel injector cylinder 4).: General error

205 [1] Check component Y76y5 (Fuel injector cylinder 5).: Short circuit to positive

205 [2] Check component Y76y5 (Fuel injector cylinder 5).: Short circuit to ground

205 [4] Check component Y76y5 (Fuel injector cylinder 5).: Short circuit to each other

205 [8] Check component Y76y5 (Fuel injector cylinder 5).: General error

206 [1] Check component Y76y6 (Fuel injector cylinder 6).: Short circuit to positive

206 [2] Check component Y76y6 (Fuel injector cylinder 6).: Short circuit to ground

206 [4] Check component Y76y6 (Fuel injector cylinder 6).: Short circuit to each other

206 [8] Check component Y76y6 (Fuel injector cylinder 6).: General error

300 [1] Misfiring detection: The number of misfirings is too high.

1105 [1] N3/9 (CDI control unit) Atmospheric pressure sensor: The signal voltage is too high.

1105 [2] N3/9 (CDI control unit) Atmospheric pressure sensor: The signal voltage is too low.

1105 [8] N3/9 (CDI control unit) Atmospheric pressure sensor: The atmospheric pressure between component N3/9 (CDI control unit) and component B5/1 (Charge pressure sensor) is implausible.

1222 [1] Check component Sensor in component B37 (Accelerator pedal sensor).: The signal voltage is too high.

1222 [2] Check component Sensor in component B37 (Accelerator pedal sensor).: The signal voltage is too low.

1222 [8] Check component Sensor in component B37 (Accelerator pedal sensor).: Plausibility Sensor 1/2

1234 [1] Check component Sensor in component B37 (Accelerator pedal sensor).: The signal voltage is too high.

1234 [2] Check component Sensor in component B37 (Accelerator pedal sensor).: The signal voltage is too low.

1234 [8] Check component Sensor in component B37 (Accelerator pedal sensor).: Plausibility Sensor 2/1

1436 [1] Check component B19/9 (Temperature sensor upstream of diesel particulate filter).: The signal voltage is too high.

1436 [2] Check component B19/9 (Temperature sensor upstream of diesel particulate filter).: The signal voltage is too low.

1437 [1] Check component B19 (TWC temperature sensor).: The signal voltage is too high.

1437 [2] Check component B19 (TWC temperature sensor).: The signal voltage is too low.

1480 [1] Check component N14/3 (Glow time output stage).: FAULTY

1520 [1] Check component S40/4 (CC switch with variable speed limiter).: CAN message from control module N73 (EIS [EZS] control unit): IMPLAUSIBLE

1520 [2] Check component S40/4 (CC switch with variable speed limiter).: Two functions were executed simultaneously.

1611 [1] Check supply voltage (1) of sensors.: Readout too large

1611 [2] Check supply voltage (1) of sensors.: Readout too small

1612 [4] Test signal at terminal Terminal 15.: No signal

1612 [8] Test signal at terminal Terminal 15.: Plausibility error in signal over CAN or hardware line

1617 [1] Control unit EEPROM error: An error occurred during the last write or read operation.

1617 [2] Control unit EEPROM error: An error occurred during the last read operation.

1617 [4] Control unit EEPROM error: An error occurred during the last write operation.

1617 [8] Control unit EEPROM error: The preset values were used.

1630 [1] Check system 'Immobilizer'.: Internal fault N3/9 (CDI control unit)

1630 [2] Check system 'Immobilizer'.: Communication fault between component N3/9 (CDI control unit) and N73 (EIS [EZS] control unit)

1630 [4] Check system 'Immobilizer'.: Expended authentication value

1630 [8] Check system 'Immobilizer'.: Key used is inhibited.

1636 [1] M4/7 (Engine and AC electric suction fan with integrated control): Short circuit in the signal line

1636 [2] M4/7 (Engine and AC electric suction fan with integrated control): Short circuit in the signal line

1636 [4] M4/7 (Engine and AC electric suction fan with integrated control): Discontinuity of signal line

1636 [8] M4/7 (Engine and AC electric suction fan with integrated control): Thermal overload of control module N3/9 (CDI control unit)

1664 [1] Check component Heater booster.: Short circuit to positive

1664 [2] Check component Heater booster.: Short circuit to ground

1664 [4] Check component Heater booster.: Signal wire OPEN CIRCUIT

1664 [8] Check component Heater booster.: Thermal overload of control module N3/9 (CDI control unit)

1665 [1] Check component Radiator blind.: Short circuit to positive

1665 [2] Check component Radiator blind.: Short circuit to ground

1665 [4] Check component Radiator blind.: Signal wire OPEN CIRCUIT

1665 [8] Check component Radiator blind.: Thermal overload of control module N3/9 (CDI control unit)

1681 [1] Airbag signal: Engine emergency off signal from airbag control module

1681 [8] Airbag signal: Short circuit to positive

1705 [4] Check component S40/3 (Clutch pedal switch).: CAN signal faulty

1705 [8] Check component S40/3 (Clutch pedal switch).: Plausibility

2006 [1] Test sensor Fuel low pressure.: Voltage is too high.

2006 [2] Test sensor Fuel low pressure.: Voltage is too low.

2008 [1] B4/6 (Rail pressure sensor): Value is above limit.

2008 [2] B4/6 (Rail pressure sensor): Value is below limit.

2009 [1] Check component B76 (Fuel filter water level sensor).: FAULTY

2009 [2] Check component B76 (Fuel filter water level sensor).: Water in the fuel filter.

2009 [4] Check component B76 (Fuel filter water level sensor).: Water in the fuel filter.

2011 [1] Check component Mass air flow sensor.: The air mass is too large.

2011 [2] Check component Mass air flow sensor.: The air mass is too small.

2012 [8] Check component B11/4 (Coolant temperature sensor).: The dynamic test was not plausible.

2013 [1] Check component B14 (Ambient temperature display temperature sensor).: The signal voltage is too high.

2013 [2] Check component B14 (Ambient temperature display temperature sensor).: The signal voltage is too low.

2013 [4] Check component B14 (Ambient temperature display temperature sensor).: CAN signal faulty

2014 [1] Check component B1 (Oil temperature sensor).: The signal voltage is too high.

2014 [2] Check component B1 (Oil temperature sensor).: The signal voltage is too low.

2014 [4] Check component B1 (Oil temperature sensor).: Oil temperature is implausible.

2014 [8] Check component B1 (Oil temperature sensor).: Plausibility

2015 [1] Rail pressure monitoring via volume control valve: The rail pressure is too low.

2016 [1] Rail pressure monitoring via volume control valve: The rail pressure is too high.

2016 [2] Rail pressure monitoring via volume control valve: The pressure reduction during deceleration is implausible.

2016 [4] Rail pressure monitoring via volume control valve: Standard deviation in deceleration mode

2016 [8] Rail pressure monitoring via volume control valve: Standard deviation in idle

2017 [1] Rail pressure monitoring via volume control valve: The rail pressure is too low.

2017 [2] Rail pressure monitoring via volume control valve: The rail pressure is too low.

2018 [1] Rail pressure monitoring via volume control valve: The rail pressure is too high.

2019 [1] Rail pressure monitoring via pressure control valve: The rail pressure is too low.

2019 [2] Rail pressure monitoring via pressure control valve: The rail pressure is too low for the engine speed.

2020 [1] Rail pressure monitoring via pressure control valve: The rail pressure is too high for the closed pressure regulator valve.

2020 [4] Rail pressure monitoring via pressure control valve: The rail pressure is too high.

2021 [1] Rail pressure monitoring via pressure control valve: The rail pressure is too low.

2023 [1] Rail pressure monitoring via pressure control valve: The maximum pressure has been exceeded.

2024 [1] Check component B2/7b1 (Intake air temperature sensor).: The signal voltage is too high.

2024 [2] Check component B2/7b1 (Intake air temperature sensor).: The signal voltage is too low.

2025 [1] Check component B28/5 (Pressure sensor downstream of air cleaner).: The signal voltage is too high.

2025 [2] Check component B28/5 (Pressure sensor downstream of air cleaner).: The signal voltage is too low.

2025 [4] Check component B28/5 (Pressure sensor downstream of air cleaner).: CAN signal faulty

2025 [8] Check component B28/5 (Pressure sensor downstream of air cleaner).: The atmospheric pressure between component B28/5 (Pressure sensor downstream of air cleaner) and component N3/9 (CDI control unit) is implausible.

2026 [1] Check component G3/2 (O2 sensor upstream of KAT).: Short circuit to positive

2026 [2] Check component G3/2 (O2 sensor upstream of KAT).: Short circuit to ground

2026 [4] Check component G3/2 (O2 sensor upstream of KAT).: Open circuit

2026 [8] Check component G3/2 (O2 sensor upstream of KAT).: Battery severely discharged/ faulty

2027 [1] Check component G3/1 (O2 sensor downstream TWC).: Short circuit to positive

2027 [2] Check component G3/1 (O2 sensor downstream TWC).: Short circuit to ground

2027 [4] Check component G3/1 (O2 sensor downstream TWC).: Battery severely discharged/ faulty

2028 [1] Pump current (G3/2 (O2 sensor upstream of KAT)) of oxygen sensor: Short circuit to positive

2028 [2] Pump current (G3/2 (O2 sensor upstream of KAT)) of oxygen sensor: Short circuit to ground

2028 [4] Pump current (G3/2 (O2 sensor upstream of KAT)) of oxygen sensor: Open circuit

2028 [8] Pump current (G3/2 (O2 sensor upstream of KAT)) of oxygen sensor: Battery severely discharged/ faulty

2029 [1] Pump current (G3/1 (O2 sensor downstream TWC)) of oxygen sensor: Short circuit to positive

2029 [2] Pump current (G3/1 (O2 sensor downstream TWC)) of oxygen sensor: Short circuit to ground

2029 [4] Pump current (G3/1 (O2 sensor downstream TWC)) of oxygen sensor: Battery severely discharged/ faulty

2030 [1] Check component G3/2 (O2 sensor upstream of KAT).: Short circuit to positive

2030 [2] Check component G3/2 (O2 sensor upstream of KAT).: Short circuit to ground

2030 [4] Check component G3/2 (O2 sensor upstream of KAT).: Open circuit

2030 [8] Check component G3/2 (O2 sensor upstream of KAT).: Battery severely discharged/ faulty

2031 [1] Check component G3/1 (O2 sensor downstream TWC).: Short circuit to positive

2031 [2] Check component G3/1 (O2 sensor downstream TWC).: Short circuit to ground

2031 [4] Check component G3/1 (O2 sensor downstream TWC).: Battery severely discharged/ faulty

2032 [1] Check component G3/2 (O2 sensor upstream of KAT).: Voltage is too high.

2032 [2] Check component G3/2 (O2 sensor upstream of KAT).: Voltage is too low.

2032 [4] Check component G3/2 (O2 sensor upstream of KAT).: Voltage is too high.

2033 [1] Check component G3/1 (O2 sensor downstream TWC).: Voltage is too high.

2033 [2] Check component G3/1 (O2 sensor downstream TWC).: Voltage is too low.

2033 [4] Check component G3/1 (O2 sensor downstream TWC).: Voltage is too high.

2034 [1] Calibration G3/2 (O2 sensor upstream of KAT): Readout too large

2034 [2] Calibration G3/2 (O2 sensor upstream of KAT): Readout too small

2035 [1] Calibration G3/1 (O2 sensor downstream TWC): Readout too large

2035 [2] Calibration G3/1 (O2 sensor downstream TWC): Readout too small

2036 [1] Check component G3/2 (O2 sensor upstream of KAT).: Calibration Readout too large

2036 [2] Check component G3/2 (O2 sensor upstream of KAT).: Calibration Readout too small

2037 [1] Check component G3/1 (O2 sensor downstream TWC).: Calibration Readout too large

2037 [2] Check component G3/1 (O2 sensor downstream TWC).: Calibration Readout too small

2038 [1] Check component G3/2 (O2 sensor upstream of KAT).: Resistance too large

2038 [2] Check component G3/2 (O2 sensor upstream of KAT).: Resistance too small

2039 [1] Check component G3/1 (O2 sensor downstream TWC).: Upper limit of internal resistancies

2039 [2] Check component G3/1 (O2 sensor downstream TWC).: Lower limit of internal resistancies

2040 [1] Check engine oil level.: The engine oil level is too high.

2040 [4] Check engine oil level.: Oil level Invalid value

2040 [8] Check engine oil level.: Oil level Plausibility

2041 [1] Engine oil quality: Poor oil quality

2041 [4] Engine oil quality: Invalid value

2041 [8] Engine oil quality: Plausibility

2042 [1] Water in engine oil: The water content is too high.

2043 [1] Check component B6/1 (Camshaft Hall sensor).: No signal

2043 [2] Check component B6/1 (Camshaft Hall sensor).: Signal faulty

2045 [1] Check component B70 (Crankshaft Hall sensor).: No signal

2045 [2] Check component B70 (Crankshaft Hall sensor).: Signal faulty

2047 [1] Rail pressure monitoring via volume control valve: The rail pressure is too low.

2051 [1] Rail pressure monitoring via pressure control valve: The rail pressure is too low.

2052 [1] Rail pressure monitoring via pressure control valve: The measured pressure is implausible in relation to the power consumption of the pressure regulator valve.

2053 [1] Exhaust gas temperature monitoring: The temperature difference between components B19 (TWC temperature sensor) and B19/9 (Temperature sensor upstream of diesel particulate filter) is too great.

2054 [1] Engine block temperature sensor: Voltage is too high.

2054 [2] Engine block temperature sensor: Voltage is too low.

2057 [4] Check component G3/2 (O2 sensor upstream of KAT).: Short circuit O2 sensor heater / Pump current

2058 [4] Check component G3/1 (O2 sensor downstream TWC).: Short circuit O2 sensor heater / Pump current

2059 [4] Check component G3/2 (O2 sensor upstream of KAT).: Pump current The signal voltage is too high.

2060 [4] Check component G3/1 (O2 sensor downstream TWC).: Pump current The signal voltage is too high.

2061 [1] Check component B40 (Oil sensor (oil level, temperature and quality)).: Signal faulty

2062 [2] Check component B40 (Oil sensor (oil level, temperature and quality)).: Error in pulse monitoring of first cycle

2062 [4] Check component B40 (Oil sensor (oil level, temperature and quality)).: Error in pulse monitoring of synchronization pause

2062 [8] Check component B40 (Oil sensor (oil level, temperature and quality)).: Error in pulse monitoring of on/off ratio

2065 [1] Test components B2/6 (Left hot film mass air flow sensor) and B2/7 (Right hot film mass air flow sensor).: The voltage supply is too high

2065 [2] Test components B2/6 (Left hot film mass air flow sensor) and B2/7 (Right hot film mass air flow sensor).: The voltage supply is too low.

2069 [8] Monitoring of exhaust gas temperature sensor when engine is cold: Plausibility error

2070 [8] Monitoring of exhaust gas temperature sensor when engine is cold: Plausibility error

2071 [8] Monitoring: Check component G3/2 (O2 sensor upstream of KAT).: Plausibility

2072 [8] Monitoring: Check component G3/1 (O2 sensor downstream TWC).: Plausibility

2073 [2] Monitoring: Check component G3/2 (O2 sensor upstream of KAT).: Value is below limit.

2073 [8] Monitoring: Check component G3/2 (O2 sensor upstream of KAT).: Plausibility

2074 [2] Monitoring: Check component G3/1 (O2 sensor downstream TWC).: Value is below limit.

2074 [8] Monitoring: Check component G3/1 (O2 sensor downstream TWC).: Plausibility

2075 [8] Monitoring: Difference: Plausibility

2076 [2] Check component G3/2 (O2 sensor upstream of KAT).: Value is below limit.

2077 [2] Check component G3/1 (O2 sensor downstream TWC).: Value is below limit.

2078 [1] Check component B28/8 (Pressure differential sensor (DPF)).: The signal voltage is too high.

2078 [2] Check component B28/8 (Pressure differential sensor (DPF)).: The signal voltage is too low.

2078 [8] Check component B28/8 (Pressure differential sensor (DPF)).: Plausibility error with ignition ON

2079 [1] Check component B28/8 (Pressure differential sensor (DPF)).: Engine protection active due to excessive signal voltage